

How are mixtures and compounds different?

Complete the following statements.

1. Substances that make up a _____ have different properties than the original elements.
2. A _____ can be separated by physical means.
3. A molecule of salt contains one _____ atom and one chlorine atom.
4. The elements that make up a _____ are chemically combined.
5. Each substance in a mixture of sand and water keeps its own _____.
6. A _____ has a specific number of elements.
7. The substances that make up ocean water are joined _____.
8. A _____ can be homogenous or heterogeneous.
9. The substances in a _____ can be present in any amount.
10. A _____ can be separated only by chemical means.

Skill Challenge

Decide whether each statement is true for compounds or mixtures by writing an **X** in the correct boxes.

Statement	Compound	Mixture
11. Has properties that are different from the original elements		
12. Can be separated by physical means		
13. Made up of two or more substances		
14. Formed when a specific number of elements combine		
15. Elements are joined chemically		
16. Cereal is an example		
17. Made up of two or more elements		
18. Elements that form it keep their own properties		
19. Salt is an example		
20. Substances can be present in any amount		